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LUMINARY Memo #193

To: Distribution  
From: D. Densmore  
Date: 8 January 1970  
Subject: Luminary Revisions 197, 198, 199

Changes to implementation of PCRs 348 and 1127 were made in Revision 197.

A change to the implementation of PCR 334 was implemented in Revision 198.

PCR 1122 and PCN 1095 (fix of L-1D-07) were implemented in Revision 199.

197

- 197.1 PCR 348 (P77). Interpretive routine MIDTOAV2 (4 words) was moved from Bank 13 to Bank 21. A new tag, ORBITAL5, was defined in Bank 21 for this purpose.
- 197.2 PCR 1127 (CHANBKUP). CHANBKUP is displayed as R2 of N46. R03 was changed to blank R3 of N46 instead of R2 and R3.

198

- 198.1 PCR 334 rev. 1 (New Descent/Ascent Nouns). N94 was set up in the noun tables, but ascent guidance was never changed to display it. The call for V06N63 was changed to a call for V06N94.

199

- 199.1 PCR 1122 ("DAP not controlling" DSKY light). DAPIDLER and P-axis minimum impulse routines were changed to clear CONTRLFL to indicate no control.

199.2 PCN 1095 (L-1D-07). (Avoid improper yaw firings). If the crew switched from Att Hold to Auto while rate command mode was still in effect, improper yaw firings could have occurred.

- a) OURRCBIT is reset whenever the LGC is in auto with the x-axis override inhibited.
- b) QRBIT is reset during rate damping while in x-axis override mode.

GSOP impact:

The following items should be examined for impact on the various GSOP sections.

Section 2	item 199.1, 199.2
Section 3	item 199.1, 199.2
Section 4	item 198.1, 199.1